Contents of Volume 32

No. 1

Announcement from the Publisher v

T.H. Bugge, L.L. Hansen, B.O. Lindhardt, B. Kvinesdal, P. Kusk, K. Holmbäck, E. Hulgaard and K. Ulrich (Denmark)
Competition ELISA using a human monoclonal antibody for detection of antibodies against human immunodefiency virus type 1 1

R.A. Hall, R.J. Coelen and J.S. Mackenzie (Australia)
Immunoaffinity purification of the NS1 protein of Murray Valley encephalitis virus: selection of the appropriate ligand and optimal conditions for elution 11

F. Morinet, A.M. Courouce, F. Galibert and Y. Perol (France)
The use of labeled fusion protein for detection of B19 parvovirus IgM antibodies by an immunocapture test 21

P. Bagnarelli, S. Menzo, A. Manzin, P.E. Varaldo, M. Montroni, M. Giacca and M. Clementi (Italy)
Detection of human immunodeficiency virus type 1 transcripts in peripheral blood lymphocytes by the polymerase chain reaction 31

S.N. Tabrizi, A.J. Borg and S.M. Garland (Australia)
Reduction of vector contamination in detection of human papillomavirus DNA using full-length genomic DNA probes 41

T. Murakami, K. Haruki, Y. Seto, T. Kimura, S. Minoshiro and K. Shibe (Japan)
Agglutination of human O erythrocytes by influenza A(H1N1) viruses freshly isolated from patients 49

O. Nicolas and J.-F. Laliberté (Canada)
The use of PCR for cloning of large cDNA fragments of turnip mosaic potyvirus 57

M. Njayou and G. Quash (France)
Purification of measles virus by affinity chromatography and by ultracentrifugation: a comparative study 67

W-Z. Ho, E. Göcnzöl, A. Srinivasan, S.D. Douglas and S.A. Plotkin (U.S.A.)
Minitransfection: a simple, fast technique for transfections 79

C.P. Kimpton, D.J. Morris and G. Corbitt (U.K.)
Sensitive non-isotopic DNA hybridisation assay or immediate-early antigen detection for rapid identification of human cytomegalovirus in urine 89

J. Chinami, K. Yuge, H. Hachisuka, E. Tanikawa, M. Goto, Y. Ohtsu, Y. Sasai and M. Shingu (Japan)
Densitometric determination of human papillomarivus DNA quantities by chromato-scanning in the fluorescence mode 101

S. Tong, J. Li, L. Vitvitski, S. Benjelloun and C. Trépo (France)
Rapid screening for bacterial colonies harbouring tandem hepatitis B virus sequences by an oligonucleotide probe 109

M. Collasius, H. Puchta, S. Schlenker and G. Valet (F.R.G.)
Analysis of unknown DNA sequences by polymerase chain reaction (PCR) using a single specific primer and a standardized adaptor (Short Communication) 115

J.L. McKimm-Breschkin, J.B. Caldwell, R.E. Guthrie and A.A. Kortt (Australia)
A new method for the purification of the influenza A virus neuraminidase (Short Communication) 121

Announcement 125

No. 2,3

Announcement from the Publisher iii

M. Brytting, V.-A. Sundqvist, P. Stålhandske, A. Linde and B. Wahren (Sweden)
Cytomegalovirus DNA detection of an immediate early protein gene with nested primer oligonucleotides 127

J. Husson van Vliet (Belgium)
Microwave radiation: a useful fixation method for viral vaccine quantitation 139

K. Kulonen, E. Neuvonen and M. Topi (Finland)
Methods for detecting arctic rabies virus in dilution series of field samples 149

F. Taguchi, T. Kawasaki, T. Matsuzaki and S.M. Lee (Republic of China)
Neutralizing antibody to herpes simplex virus by a novel neutralization method with peroxidase-labelled complement Clq 157

J.J. Gray and N.P. Brenwald (U.K.)
The use of antibiotics to control bacterial ovvergrowth of cell cultures used for diagnostic virology 163

E.H. Venter, G.J. Viljoen, L.H. Nel, H. Huismans and A.A. van Dijk (South Afrika)
A comparison of different genomic probes in the detection of virus-specified RNA in *Orbivirus*-infected cells 171

R.L. Sandin, E.R. Rodriguez, E. Rosenberg, K. Porter-Jordan, M. Caparas, S. Nasim, M. Rockis, J.F. Keiser and C.T. Garrett (U.S.A.)
Comparison of sensitivity for human cytomegalovirus of the polymerase chain reaction, traditional tube culture and shell vial assay by sequential dilutions of infected cell lines 181

K. Chaggar, I.G. McFarlane, H.M. Smith, G.J.M. Alexander and R. Williams (U.K.)
An enzyme immunoassay for detection of IgA class antibodies against hepatitis Delta virus 193

T.W. Molitor, K. Oraveerakul, Q.Q. Zhang, C.S. Choi and L.R. Ludemann (U.S.A.)
Polumerase chain reaction (PCR) amplification for the detection of porcine parvovirus 201

B.C. Ross and D.A. Anderson (Australia)
Characterization of hepatitis A virus capsid proteins with antisera raised to recombinant antigens 213

L.M. Galanti, C. Cornu, P.L. Masson, A.R. Robert, D. Becheanu, M.E. Lamy and C.L. Cambiaso (Belgium)
Assay of anti-HBs antibodies using a recombinant antigen and latex particle counting: comparison of five commercial tests 221

B.L. Schmidt (Austria)
A rapid chemiluminescence detection method for PCR-amplified HIV-1 DNA 233

A. Manzin, G. Salvoni, P. Bagnarelli, S. Menzo, G. Carloni and M. Clementi (Italy)
A single-step DNA extraction procedure for the detection of serum hepatitis B virus sequences by the polymerase chain reaction 245

D.J. Robbins, J. Krater, W. Kiang, X. Alcalde, S. Helgesen, J. Carlos and L. Mimms (U.S.A.)
Detection of total antibody against hepatitis A virus by an automated microparticle enzyme immunoassay 255

D.H. Ostrow, B. Edwards, D. Kimes, J. Macioszek, H. Irace, L. Nelson, K. Bartko, J. Neva, C. Krenc and L. Mimms (U.S.A.)
Quantitation of hepatitis B surface antibody by an automated microparticle enzyme immunoassay 265

K.M. Gibson, K.A. McLean and J.P. Clewley (U.K.)
A simple and rapid method for detecting human immunodeficiency virus by PCR 277

B.E. Weiler, H. Schäcke, M. Bachmann, L. Brigido, E. Matthes, J. Forrest and W.E.G. Müller (F.R.G., U.K., U.S.A.)
Human immunodeficiency virus: novel enzyme-linked immunoassays for quantitation of envelope glycoprotein 120 287

S.W. Pyle, D.J. Chabot, T.L. Miller, S.A. Serabyn, J.W. Bess, Jr. and L.O. Arthur (U.S.A.)
Large-scale purification of gp70 from Moloney murine leukemia virus 303

E.N. Dobrov, A.F. Bobkova, M.I. Goldstein, E.K. Timofeeva and J.G. Atabekov (U.S.S.R.)
Comparative study of antigenic properties of potato virus X and its coat protein in solution and after adsorption to solid supports 317

D.R. Dubois, K.H. Eckels, J. Ticehurst, L.N. Binn, R.L. Timchak, D.A. Baerevir, C.T. Rankin and S.P. O'Neill (U.S.A.)
Large-scale purification of inactivated hepatitis A virus by centrifugation in non-ionic gradients (Short Communication) 327

Contents of Volume 32 335

Author Index 339

Subject Index 343

CONTENTS *(continued)*

D.H. Ostrow, B. Edwards, D. Kimes, J. Macioszek, H. Irace, L. Nelson, K. Bartko, J. Neva, C. Krenc and L. Mimms (U.S.A.)
Quantitation of hepatitis B surface antibody by an automated microparticle enzyme immunoassay 265

K.M. Gibson, K.A. McLean and J.P. Clewley (U.K.)
A simple and rapid method for detecting human immunodeficiency virus by PCR 277

B.E. Weiler, H. Schäcke, M. Bachmann, L. Brigido, E. Matthes, J. Forrest and W.E.G. Müller (F.R.G., U.K., U.S.A.)
Human immunodeficiency virus: novel enzyme-linked immunoassays for quantitation of envelope glycoprotein 120 287

S.W. Pyle, D.J. Chabot, T.L. Miller, S.A. Serabyn, J.W. Bess, Jr. and L.O. Arthur (U.S.A.)
Large-scale purification of gp70 from Moloney murine leukemia virus 303

E.N. Dobrov, A.F. Bobkova, M.I. Goldstein, E.K. Timofeeva and J.G. Atabekov (U.S.S.R.)
Comparative study of antigenic properties of potato virus X and its coat protein in solution and after adsorption to solid supports 317

D.R. Dubois, K.H. Eckels, J. Ticehurst, L.N. Binn, R.L. Timchak, D.A. Baerevir, C.T. Rankin and S.P. O'Neill (U.S.A.)
Large-scale purification of inactivated hepatitis A virus by centrifugation in non-ionic gradients (Short Communication) 327

Contents of Volume 32 335

Author Index 339

Subject Index 343